

REMARKS

Claims 5-13 and 20-24 were previously pending in the application. Claims 5-8 are canceled, leaving claims 9-13 and 20-24 for consideration.

Cancellation of claims 5-8 is believed to obviate the rejection over NEBRIGIC et al. 6,370,046.

The Official Action indicates that claims 1-19 are rejected as anticipated by YOUNG 5,889,428. This rejection is respectfully traversed.

Initially, applicant would like to point out that in the amendment of November 13, 2003, claim 9 was amended to recite a comparator and a flip-flop in the control circuit. It was pointed out that column 7, lines 18-38 of YOUNG teach a charge pump 62 having a circuitry that includes a two input NOR gate 87a, 87b, coupled to inverter 89a, 89b. Inverter 89a drives the gate of P-channel transistor 78a and inverter 89b drives the gate of P-channel transistor 78b to open and close the switches in order to maintain the desired output voltage. Accordingly, YOUNG does not teach a comparator and a flip-flop in a control circuit.

In order to further distinguish over YOUNG, claim 9 is amended to recite that the capacitors are non-ferroelectric. As seen in the title of YOUNG and as disclosed at column 4, line 66 through column 5, line 2 and column 6, line 67 through column 7, line 4, the capacitors of YOUNG are ferroelectric capacitors.

Accordingly, YOUNG neither teaches a control circuit having a flip-flop as recited in claim 9 of the present application and as disclosed on page 12, line 15 through page 13, line 3 of the present application, nor a circuit for improving the efficiency of a linear regulator without using ferroelectric components. Therefore, claim 9 is believed patentable over YOUNG.

Claims 10-13 and 20-24 depend from claim 9 and further define the invention and are also believed patentable over the cited art.

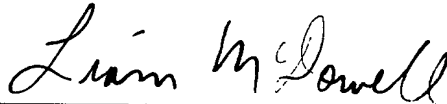
In view of the present amendment and the foregoing remarks, it is believed that the present application has been placed in condition for allowance. Reconsideration and allowance are respectfully requested.

Since the Response to Arguments set forth in the Official Action was only directed to NEBRIGIC et al., the final rejection of claims 9-13 and 20-24 is believed improper. Reconsideration and withdrawal of the final rejection are respectfully requested.

The Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 25-0120 for any additional fees required under 37 C.F.R. §1.16 or under 37 C.F.R. §1.17.

Respectfully submitted,

YOUNG & THOMPSON



---

Liam McDowell, Reg. No. 44,231  
745 South 23<sup>rd</sup> Street  
Arlington, VA 22202  
Telephone (703) 521-2297  
Telefax (703) 685-0573  
(703) 979-4709

LM/lrs